

#### Addendum 1: Tire Bumper Along Existing Bulkhead

This work is to be part of the base bid lump sum price. The contractor is to install the tire bumper strips along the existing bulkhead (see attached drawing, approximately 320') to match the sample bumper that was installed by DFW and shown during the prebid (see attached photo). The Stainless steel hardware is to be attached every 12" on the top and the bottom of the tire to the aluminum headwall. It is the responsibility of the contractor to verify lengths for bidding.

The tire bumpers will come in approximately 114" long sections and will be supplied to the site by DFW. DFW has approximately 300 stainless steel screws that will be given to the contractor as well. The contractor will supply all labor and tools and remaining needed hardware (stainless steel only) to attach the tire bumper to the existing bulkhead.

The bumpers are to be installed in a manner to have an abutting/continual tire bumper starting at the toe of the stone (see attached drawing) to the limits shown on the attached drawing. The hardware shall be installed in a manner to have it slightly imbedded into the tire. The head of the hardware shall not be above or flush with the top of the tire.

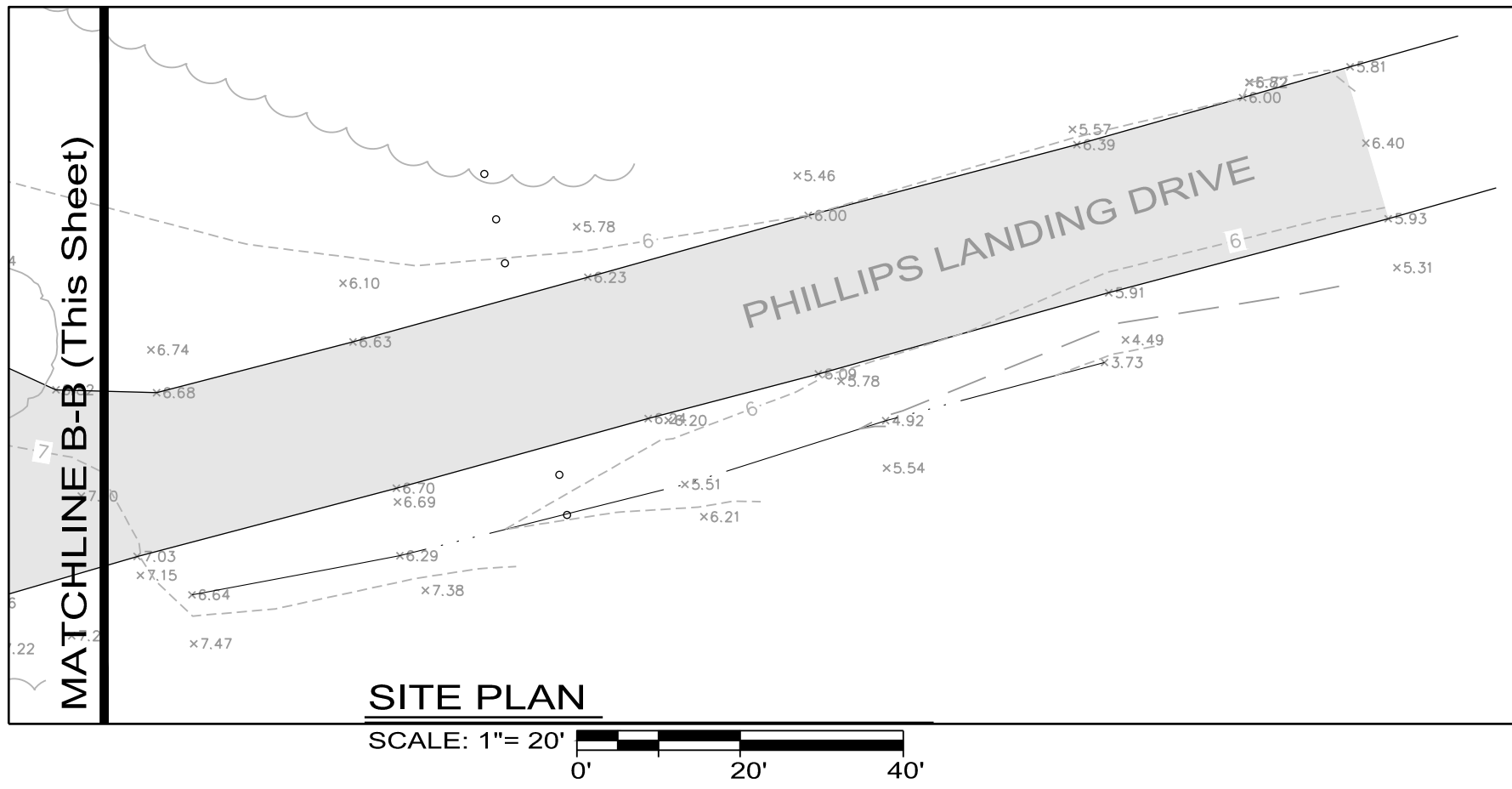
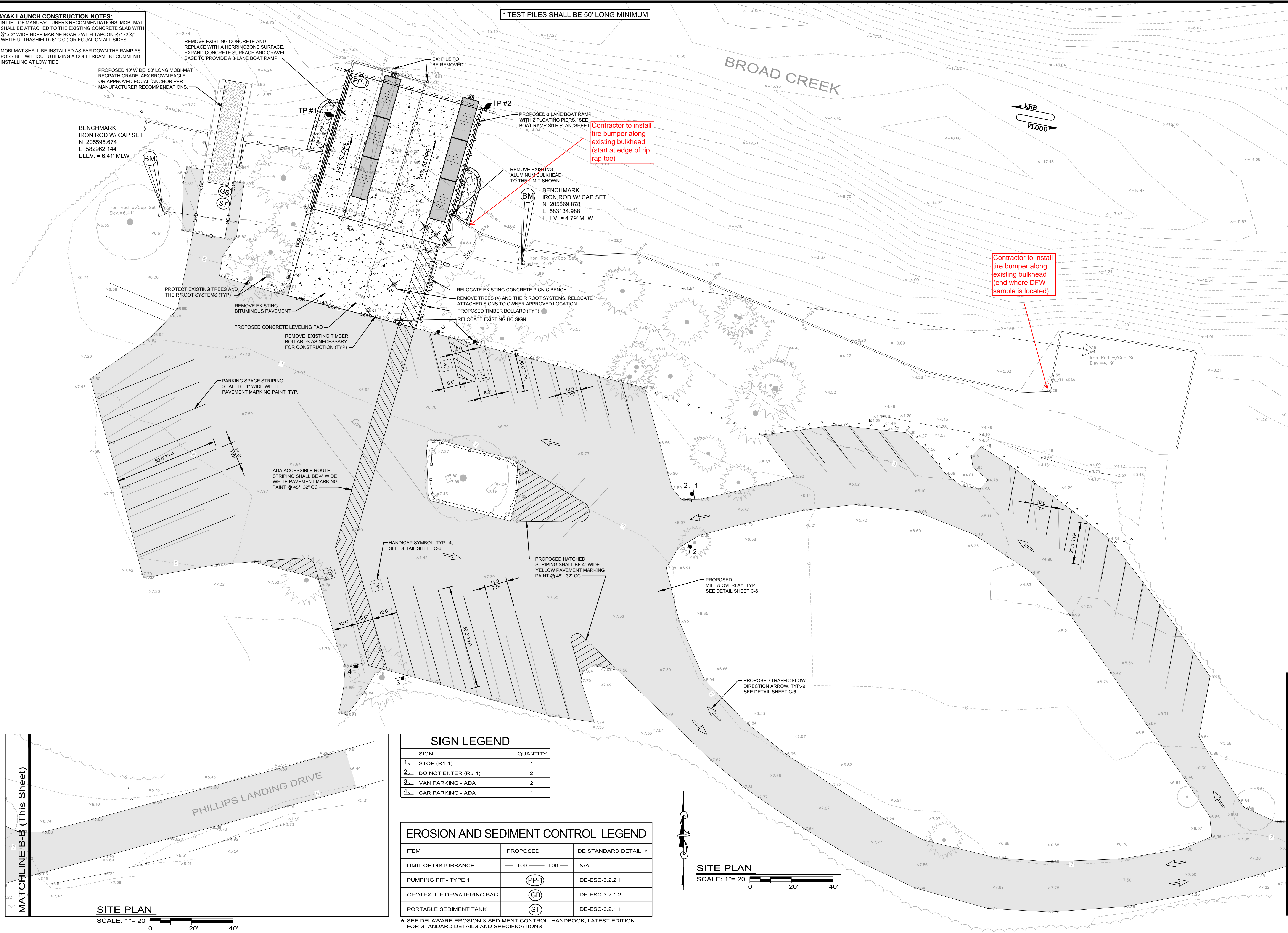






**KAYAK LAUNCH CONSTRUCTION NOTES:**  
1. IN LIEU OF MANUFACTURERS RECOMMENDATIONS, MOBI-MAT SHALL BE ATTACHED TO THE EXISTING CONCRETE SLAB WITH 1/2" x 3" WIDE HDPE MARINE BOARD WITH TAPCON 3/8" x 2 1/2" WHITE ULTRASHIELD (6" C.C.) OR EQUAL ON ALL SIDES.  
2. MOBI-MAT SHALL BE INSTALLED AS FAR DOWN THE RAMP AS POSSIBLE WITHOUT UTILIZING A COFFERDAM. RECOMMEND INSTALLING AT LOW TIDE.

\* TEST PILES SHALL BE 50' LONG MINIMUM



SIGN LEGEND		
SIGN	QUANTITY	
1a STOP (R1-1)	1	
2a DO NOT ENTER (R5-1)	2	
3a VAN PARKING - ADA	2	
4a CAR PARKING - ADA	1	

EROSION AND SEDIMENT CONTROL LEGEND		
ITEM	PROPOSED	DE STANDARD DETAIL *
LIMIT OF DISTURBANCE	LOD	N/A
PUMPING PIT - TYPE 1	PP-1	DE-ESC-3.2.2.1
GEOTEXTILE DEWATERING BAG	GB	DE-ESC-3.2.1.2
PORTABLE SEDIMENT TANK	ST	DE-ESC-3.2.1.1

\* SEE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION FOR STANDARD DETAILS AND SPECIFICATIONS.

**SITE PLAN**  
SCALE: 1" = 20'

REVISIONS		BY	DATE
NO.	DATE		



**Andrews, Miller & Associates**  
ARCHITECTS ENGINEERS SURVEYORS  
A Division of:  
**DAVIS, BOWEN & FRIEDEL, INC.**  
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SUSSEX COUNTY, DELAWARE (302) 424-1441

**SITE PLAN**  
FOR  
STATE OF DELAWARE  
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL  
DIVISION OF FISH AND WILDLIFE  
at  
**PHILLIPS LANDING BOAT RAMP**  
SUSSEX COUNTY, DELAWARE

DRAWN	DESIGNED	CHECKED
SMS	KBE	JPL
DATE		
JULY 2018		
SCALE		
1" = 20'		
PROJ. NO.		
1945A006		
Dwg. No.		
C-3		
3	of	6

Phillips Landing RTA